

## **Atmospheric Ammonia:**

Detecting emission changes and environmental impacts

**4-6 December 2006, Edinburgh, Scotland**

at the Scottish Executive Headquarters, Victoria Quay, Leith, Edinburgh, EH6 6QQ

### **AGENDA** (November 2006)

<b>Sunday 3<sup>rd</sup> December (optional excursion)</b>		
11:30	Transport depart Leith for lunch and excursion	
<i>12:15</i>	<i>Lunch: Howgate Inn, Midlothian</i>	
14:00	Field visit to the Whim Bog, Ammonia Manipulation Field Experiment	
15:30	Return to Leith	
<b>Monday 4th December</b>		
09:30	Meeting of Working Group Chairs and Rapporteurs	
	Registration (from 09.30 until 10.30am) and setting up of posters	
<i>10:30</i>	<i>Coffee/Tea</i>	
<b>11:00-12.40</b>	<b>Plenary 1: Introduction</b> (Chair: Ken Smith, Chairman of UNECE Ammonia Expert Group)	
11:00	Welcome: Scottish Executive	Rhona Brankin - Deputy Minister for Environment and Rural Affairs
11:10	Ammonia and the UNECE Convention on Long Range Transboundary Air Pollution (LRTAP)	Keith Bull, Secretary to the Executive Body for the Convention on Long-range Transboundary Air Pollution
11.30	Ammonia in relation to the Clean Air for Europe (CAFÉ) programme and other European policies.	Michel Sponar, European Commission
11:50	Science background: key ammonia questions, workshop objectives and approach	Mark Sutton, CEH
12.05	Background Paper 1: Evidence of ammonia effects on the environment at low ambient concentrations	Neil Cape, CEH
12:30	Discussion	
<i>12:40</i>	<i>Lunch</i>	

<b>13:40-15:30 Plenary 2: Background Papers</b> (Chair: Geeta Wonnacot, Scottish Executive)		
13:40	Background Paper 2: Using independent atmospheric measurements to verify estimated regional changes in NH <sub>3</sub> emissions	Albert Bleeker, NL
14:05	Discussion	
<b>13:40-15:30 Plenary 2: Background Papers cont.</b>		
14:15	Background Paper 3: Approaches to assess the atmospheric dispersion, deposition and monitoring of ammonia in 'hot spot' areas	Benjamin Loubet, FR
14:40	Discussion	
14:50	Background Paper 4: Evaluation of regional modelling of the emission, dispersion, chemistry and deposition of ammonia	Addo van Pul, NL
15:15	Discussion and Working Group Orientation	
15:30	<i>Coffee/Tea</i>	
<b>16:00-18:30 Parallel Working Groups: Session 1</b>		
16:00	Review of key questions and agreement on material for presentation	
	WG1: Critical thresholds for ammonia WG2: Detecting change in atmospheric ammonia following emission changes WG3: Dealing with ammonia in 'hot spot' areas WG4: Status of regional modelling of atmospheric ammonia	
17:30	Viewing of Posters with drinks, plus Orientation of Cross Cutting Groups, CCG A: Reliability of ammonia emissions data and abatement efficiencies CCG B: Ammonia policy context and future challenges	
19:00	<i>Visit to Edinburgh old town and meal at Howies, Victoria Street (20.30)</i>	

## Tuesday 5<sup>th</sup> December

### 09:00-10:30 Parallel Working Groups: Session 2

Presentations of expert contributions

10:30 *Coffee/Tea*

### 11:00-12:30 Parallel Working Groups: Session 2 cont.

Completion of presentations by experts

Discussion of key questions

12:30 *Lunch*

<b>13:30-15:30 Parallel Working Groups: Session 3</b>	
	Discussion of key questions
	Identification of emerging issues, exchange of some experts between groups
	Exchange of some experts between groups and meeting of Cross Cutting Working Groups
<i>15:30</i>	<i>Coffee/Tea</i>
<b>16:00-18:00 Parallel Working Groups: Session 3 cont.</b>	
	Agreeing conclusions
	Drafting of Working Group Reports
<i>19:00</i>	<i>Workshop Dinner – Malmaison Hotel, Leith</i>
	Drafting of Working Group Reports
	Preparation of Working Group Presentations

<b>Wednesday 6<sup>th</sup> December</b>		
<b>09:00-10.30 Plenary 3: Reporting of Working Groups</b> (Chair: Mark Sutton, CEH Edinburgh)		
09:00	WG1: Critical thresholds for ammonia	
09:15	Discussion	
09:30	WG2: Detecting change in atmospheric ammonia following emission changes	
09:45	Discussion	
10:00	WG3: Dealing with ammonia in 'hot spot' areas	
10:15	Discussion	
<i>10.30</i>	<i>Coffee/Tea</i>	
<b>11:00-12:30 Plenary 3: Reporting of Working Groups cont.</b>		
11:00	WG 4: Status of regional modelling of atmospheric ammonia	
11:15	Discussion	
11:30	CCG A: Reliability of ammonia emissions data and abatement efficiencies	
11:45	Discussion	
12:00	CCG B: Ammonia policy context and future challenges	
12:15	Discussion	
12:30	General Discussion	
12:45	Summary and close of workshop	Sam Baker, Defra
<i>13:00</i>	<i>Lunch</i>	
<b>14:00-16:00 Collation of documents: organisers, WG Chairs, rapporteurs and BG Document authors</b>		

**Thursday 7<sup>th</sup> December**

**09:00-15:00**      **Meeting of Management Committee, COST 729** (more detailed agenda to be circulated separately)